

Abstract

A galvano mirror unit is provided with a galvano mirror, a rotor to which the galvano mirror is mounted and a stator that rotatably supports the rotor about a rotation axis. A pair of center pins is provided to either the rotor or the stator and a pair of receive members is provided to the whichever of the rotor and the stator is not provided with the center pins. The receive members receive the center pins. A pair of driving magnets is provided at opposing ends of the rotor and a pair of driving coils is provided to the stator, the pair of driving coils being faced with the driving magnets respectively. Each of the pair of driving magnets includes a section of N-pole and a section of S-pole, and both the N-pole section and the S-pole section of each driving magnet face the same driving coil.